

ASH GROVE CEMENT COMPANY



"WESTERN REGION"

July 27, 2007

Puget Sound Clean Air Agency
Attn: Fred Austin
110 Union Street, Suite 500
Seattle, Washington 98101

VIA CERTIFIED U.S. MAIL, No. 7002 2410 0004 7307 2287

Re: Submittal of 40 CFR § 63.10 (e) (3) "Summary Report -- Gaseous Emission and Continuous Monitoring System Performance", and §63.1354 (b) (4), Ash Grove Cement Company Plant -- Seattle Washington

Dear Mr. Austin:

In accordance with the provision of § 63.10 (e) (3), (e)(3)(v)-(viii) and §63.1354(b)(8)-(10), Ash Grove Cement Company is submitting this semi annual report entitled - "Summary Report -- Gaseous and Continuous Monitoring System Performance".

Contact Person: Gerald J. Brown
Safety and Environmental Manager
3801 East Marginal Way South
Seattle, Washington 98134-1113
(206) 623-5596

63.10 (e)(3)(vi)(A): Company name and address of the affected source: Ash Grove Cement Company, 3801 East Marginal Way South, Seattle WA 98134

63.10 (e)(3)(vi)(B): An identification of each hazardous air pollutant monitored at the affected source: Dioxin/Furans, Ash Grove monitors the kiln baghouse inlet temperature as a parametric indicator of dioxin/furan emissions.

63.10 (e)(3)(vi)(C): The beginning and ending dates of the reporting period:
January 1, 2007 to June 30, 2007.

63.10 (e)(3)(vi)(D): A brief description of the process units: The in-line kiln/raw mill system includes an ID fan, the main baghouse dust collector, the Raw Mill, preheater/precalciner, and rotary kiln. The system converts dry raw materials prepared in the raw mill into cement clinker by heating it to the point of incipient infusibility in the preheater/ precalciner and kiln. New chemical compounds are formed in the clinkering process that produce the hydraulic properties of portland cement. The system is heated by fossil fuels that are combusted at the lower or clinker discharge end of the inclined rotary kiln and in the precalciner and tire derived fuel is introduced to the system at the precalciner. The flow of combustion products is countercurrent to the flow of raw materials down the kiln.

63.10 (e)(3)(vi)(E): The emission and operating parameter limitations specified in the relevant standard(s):

Dioxin/Furans: 0.4 ng/dscm if APCD inlet temperature <= 204 degrees C, 0.2 ng/dscm of APCD inlet temperature > 204 degrees C.

Kiln operating limit: Prior to April 12, 2007, the temperature limits for the kiln were 175 degrees C/347 degrees F (raw mill on) and 256 degrees C/492 degrees F (raw mill off). Temperature limits for the kiln were re-established effective April 12, 2007 and are 167 degrees C/333 degrees F (raw mill on) and 260degrees C/500 degrees F (raw mill off). Per letter dated October 18, 2002, the coal mill operating limits at the inlet to the coal mill baghouse are 93.3 degrees C/200 degrees F.

63.10 (e)(3)(vi)(F): The monitoring equipment manufacturer(s) and model number(s):

Location	Transmitter		Detector	
	Manufacturer	Model	Manufacturer:	Model
Main baghouse	Rosemount	3044C	Eustis/Pyrocom	MAJ73U12000D
Coal Mill #1	Rosemount	3144C	Eustis/Pyrocom	RTA13180T000
Coal Mill #2	Rosemount	3144C	Eustis/Pyrocom	RTA13180T000

63.10 (e)(3)(vi)(G): The date of the latest CMS certification or audit: 05/31/2007

63.10 (e)(3)(vi)(H): The total operating time of the affected sources during the reporting period:

Total operating time for the Kiln. 3380.9 Hours

Total operating time for the Raw Mill. 2873.8 Hours

63.10 (e)(3)(vi)(I): An emission data summary (or similar summary if the owner or operator monitors control system parameters), including the total duration of excess emissions during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to startup/shutdown, control equipment problems, process problems, other known causes, and other unknown causes;

CMS EXCESS EMISSION AND PARAMETER EXCEEDENCES DATA SUMMARY				
1. DURATION OF EXCESS EMISSION (EE) OR PARAMETER EXCEEDENCES (PE) IN REPORTING PERIOD DUE TO:*				
	KILN	RAW MILL	COAL MILL	
			#1	#2
A. STARTUP/SHUTDOWN	0.0	0.0	0.0	0.0
B. CONTROL EQUIPMENT PROBLEMS	0.0	0.0	0.0	0.0
C. PROCESS PROBLEMS	0.0	0.0	0.0	0.0
D. OTHER KNOWN CAUSES	0.0	0.58	0.0	0.0
E. UNKNOWN CAUSES	0.0	0.0	0.0	0.0
1. TOTAL DURATION OF EXCESS EMISSIONS	0.0	0.58	0.0	0.0
2. $\frac{\text{Total EE (PE) Duration} \times 100}{\text{Total Source Operating Time}} =$	0.0	0.01	0.0	0.0

*Unit of Time in hours for all temperatures.

†If the total duration of excess emissions or process parameter control exceedences for the reporting period is less than 1 percent of the total operating time for the reporting period, and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report shall be submitted, and the full excess emissions and continuous monitoring system performance report need not be submitted unless required by the Administrator. If the total duration of excess emissions or process control system parameter exceedences for the reporting period is 1 percent or greater of the total operating time for the reporting period, or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, both the summary report and the excess emissions and continuous monitoring system performance report shall be submitted.

Regulatory Citation: 40 CFR 63.10(e)(3)(vi)(A)-(M)

63.1354(b)(9)(i). All exceedences of maximum control device inlet temperature specified in 63.1344(a) and (b).

<u>Event</u>	<u>From</u>	<u>To</u>
None		

63.10(e)(3)(vi)(J). A CMS performance summary (or similar summary if the owner or operator monitors control system parameters), including the total CMS downtime during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of CMS downtime expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total CMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, nonmonitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes;

CMS PERFORMANCE SUMMARY*				
1.CMS DOWNTIME IN REPORTING PERIOD DUE TO: *				
	KILN	RAW MILL	COAL MILL	
			#1	#2
A. MONITORING EQUIPMENT MALFUNCTIONS	0.0	0.0	0.0	0.0
B. NON-MONITORING EQUIPMENT MALFUNCTIONS	0.0	0.0	0.0	0.0
C. QUALITY ASSURANCE/QUALITY CONTROL CALIBRATIONS	5.0	5.0	6.0	6.0
D. OTHER KNOWN CAUSES	0.0	0.0	0.0	0.0
E. OTHER UNKNOWN CAUSES	0.0	0.0	0.0	0.0
2.TOTAL CMS DOWNTIME	5.0	5.0	6.0	6.0
3.TOTAL DURATION OF EXCESS EMISSIONS X (100) / TOTAL SOURCE OPERATING TIME †	0.1	0.1	0.1	0.1

*Unit of Time in hours for all temperatures.

†If the total duration of excess emissions or process parameter control exceedences for the reporting period is less than 1 percent of the total operating time for the reporting period, and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report shall be submitted, and the full excess emissions and continuous monitoring system performance report need not be submitted unless required by the Administrator. If the total

duration of excess emissions or process control system parameter exceedences for the reporting period is 1 percent or greater of the total operating time for the reporting period, or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, both the summary report and the excess emissions and continuous monitoring system performance report shall be submitted.

Regulatory Citation: 40 CFR 63.10(e)(3)(vi)(A)-(M)

63.10 (e)(3)(vi)(K): A description of any changes in CMS, processes, or controls since the last reporting period.

No changes were made to the processes, or controls since the last reporting period.

63.1354(b)(9)(ii): All failures to calibrate thermocouples and other temperature sensors as required under 63.1350(f)(7):

None

63.1354(b)(9)(iii): All failures to maintain the activated carbon injection rate, and the activated carbon injection carrier gas flow rate or pressure drop, as applicable, as required under 63.1344 (c):

This requirement is not applicable to the Seattle kiln system at this time.

KILN COMBUSTION INSPECTION REPORT

63.1354(b)(9)(iv). The results of any combustion system inspections conducted within the reporting period under 63.1350(i):

Reporting Period: January 1, 2007 To December 31, 2007

Inspection conducted during the kiln outage on: April 30, 2007

Results of the combustion system component inspection:

The burner tip was observed to be in good shape. There was some air cutting on the ring separating the coal chamber from the swirl air chamber. The air cut areas were repaired by fill welding with stainless steel. The outer refractory was observed to be in good shape and was replaced as preventive maintenance. All work was completed between April 30 and May 6.

63.1354(b)(9)(v): All failures to comply with any provision of the operation and maintenance plan developed in accordance with 63.1350 (a):

None

63.1354(b)(4). As required by 63.10(d)(5), if the actions taken by an owner or operator during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in 63.6(e)(3), the owner or operator shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports.

-Actions taken for a startup, shutdown, or malfunction during the reporting period were consistent with the startup, shutdown, and malfunction plan.

PERIODIC STARTUP, SHUTDOWN, AND MALFUNCTION REPORT

63.10(d)(5)(i). Periodic startup, shutdown, and malfunction reports

If actions taken by an owner or operator during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan (see § 63.6(e)(3)), the owner or operator shall state such information in a startup, shutdown, and malfunction report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in the relevant emission standards, or if a malfunction occurred during the reporting period.


Listed below are the number, duration, and brief description of each startup, shutdown or malfunction that caused the source to exceed any applicable emission limitation.

ASH GROVE CEMENT COMPANY
PERIODIC STARTUP, SHUTDOWN& MALFUNCTION SEMIANNUAL REPORT
Reporting period: January 1 – June 30, 2007

Entity/System	Description
316.MR1 Raw Mill	Startups: 0 Startup of the Raw Mill commences when 317.FZ3 and 411.FZ1 dedusting filters and rotary feeder 411.RF3 are started as part of the startup sequence.)
	Shutdowns: 0 Shutdown of the Raw Mill commences when Raw Mill 316.MR1 is stopped.) Malfunctions: 1 The Raw Mill was running and the airlift plugged. The gas stream could not be cooled by material as in normal operation. The mill was shut down and the plug removed
416.KD1 Kiln	Startups: 0 Startup of the Kiln commences when the main baghouse dust collector fan 413.FZ1 is started as part of the kiln startup sequence.)
	Shutdowns: 0 Shutdown of the Kiln commences when fuel flow to the main burner pipe is terminated.) Malfunctions: 0

I certify that the information contained in this report is true, accurate, and complete.

Name: Craig Puljan, Plant Manager

Signature 

Date: 7/27/07